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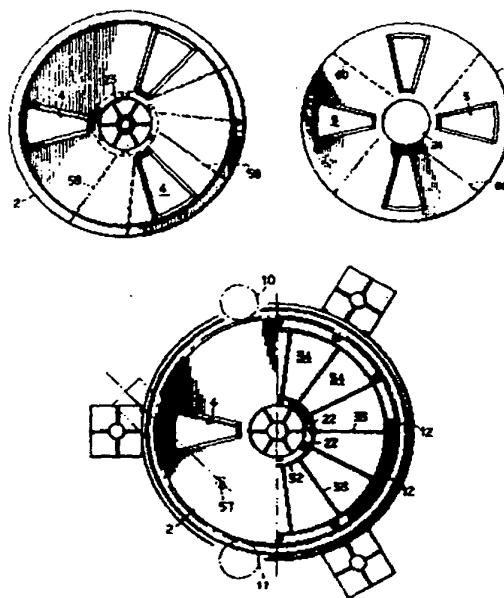
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TITLE : GAPPED BLENDER



ABSTRACT : PURPOSE: To eliminate a trouble caused by feed material being bitten, to reduce the number of parts and to enable feed material having uneven layer throughly to be blended by communicating windows of two sheets of rotating plates having the different number of windows respectively in turn at intervals and dropping the feed material from chambers, the number thereof being associated with the number of the upper windows.

CONSTITUTION: On circular rotating plates 2, 3 having the same outer diameter as that of a concentric tubular casing are opened the numbers m and n of windows 4, 5 (wherein $m \neq Kn$ or $n \neq Km$ and K is an integer) on the same radius at an equal central angle. Above the plate 2 are formed a plurality of chambers 34 which are in parallel in the direction of length and are partitioned into the number of $m \times n \pm 1$ by inner circular walls 32 and radial partition walls 33. The both ends of the chamber 34 are opened. Feed material which is supplied to chambers 34 by an oscillating distributor is accumulated on the plate 2. The overlapped parts of the windows 4, 5 are blocked by gates. Then the plates 2, 3 are rotated by sprockets 10, 11. These are carried out mutually in the opposite or the same direction at a different speed depending on + or - of the number of the chambers 34.

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